

- 32 -

ABSTRACT

The present invention is concerned with cross-linked sulfonated polymers, eventually perfluorinated, and their preparation process. When molded in the form of membranes, the polymers are useful in electrochemical cells, in a chlorine-sodium
5 electrolysis process, as separator in an electrochemical preparation or organic and inorganic compounds, as separators between an aqueous phase and an organic phase, or as catalyst for Diels-Alder additions, Friedel-Craft reactions, aldol condensations, cationic polymerisation, esterification, and acetal formation.

BEST AVAILABLE COPY